

2.115 Gasoline Dispensing Facility - Stage I

2.115.1 Applicability

The certification and compliance test procedures of this Section 2.115 and test methods shall apply to installations and testing companies that conduct Stage I & II vapor recovery system certification and/or compliance tests for gasoline dispensing facilities required to have the Stage I & II vapor recovery equipment and to other test circumstances as defined by the Division.

2.115.2 Certification, Recertification and Compliance Test Procedures

Within thirty days following the Stage I and/or Stage II installation, reconstruction as defined in the Air Quality Control Rule 391-3-1-.02(2)(zz), or major system modification or replacement as defined below, of a vapor recovery system, a certification test must be conducted to verify that the system has been installed and is functioning properly. The date of the satisfactory Stage I and/or Stage II certification testing establishes the anniversary date for all future testing requirements. This anniversary date, i.e., month and day, becomes the date by which future annual compliance testing and/or recertification testing must be completed. A test window of no more than 30 days in advance of the anniversary date will be allowed for both annual and recertification testing. Major system modification or replacement is defined as replacing, repairing, or upgrading 75 percent or more of a facility's Stage II vapor recovery system. If a gasoline dispensing facility's Stage II vapor recovery system undergoes a major system modification or replacement that does not involve modifying, replacing, or upgrading any of the underground vapor piping or the gasoline storage tanks, a compliance test may be performed on the system within thirty days after the modification in lieu of a certification test. In this case, the anniversary date noted above for annual compliance and recertification testing will remain unchanged. A compliance test must be performed at least once each calendar year on each Stage II vapor recovery system to verify that the system is continuing to function properly.

A Stage I only certification or recertification test is comprised of:

- A Static Pressure Decay Test, and
- Static Torque, as applicable,
- P/V Vent Valve Test
- Drain Valve Test and,
- Drop Tube Test, as applicable

In conducting the required certification and compliance tests, the minimum criteria which shall apply includes, but may not be limited to, the following:

- (1)* In any case where a party other than the Division will be conducting the initially required certification testing, annual compliance testing, or periodic recertification testing, the owner or operator must notify the Division at least five (5) working days in advance of the test. Any notice received after 4:00 pm, Monday through Friday, or at any time on a Saturday, Sunday or designated State Holiday, shall be deemed received on the following scheduled State work day.

When a testing company notifies the Division of the date on which a test is to be conducted, the following minimum information must be provided:

- a. Name of the station
 - b. Complete address of the station including zip code
 - c. The date and starting time, as defined in (7) below
 - d. Telephone number of station
 - e. Name of the company performing the test
 - f. Type of Stage I or Stage II system to be tested
 - g. Name of owner of dispensing equipment and underground storage tanks
 - h. A signed notification form
- (2) When the certification or compliance tests are being performed, the personnel representing the testing company must possess, at the site, a copy of all test procedures that will be performed during the certification or compliance process.
 - (3) Certification or compliance testing shall be conducted only by trained, qualified technicians who have a thorough knowledge of any Stage I and/or Stage II vapor recovery system that they are to test.
 - (4) The testing company shall possess the correct equipment for performing certification or compliance tests for any Stage I and/or Stage II vapor recovery systems that they schedule with the Division to test.
 - (5) All equipment relating to testing a Stage I and/or Stage II vapor recovery system shall be calibrated properly according to prescribed test methods and the manufacturers recommended procedures, if applicable.
 - (6) The owner/operator of the gasoline dispensing facility shall ensure that the Stage I and Stage II vapor recovery systems have been installed and are functioning properly before the certification test is scheduled with the Division.
 - (7) Starting times for certification, recertification and compliance tests shall only be scheduled between the hours of 8:00 a.m. and 4:00 p.m. on normal business days, unless prior written approval is given by the Division. Starting time is defined as the beginning of the pressure decay test for Stage I and/or Stage II vapor recovery systems. At the starting time, the dispensers shall have been isolated from public use, the Stage I and/or Stage II vapor recovery systems shall have been appropriately pressurized, the calculations used to determine the ullage in the underground storage tanks must have been completed, and all equipment necessary for conducting the test shall be connected and properly functioning.
 - (8) Testing which does not commence within 30 minutes of the scheduled starting time may be required to be rescheduled by Division representatives, if they are present to witness the test. A minimum of five days' notice is required for rescheduled tests.
 - (9)* A written report of the certification, recertification or compliance test results shall be submitted to the Division by the owner so that it is received within 30 days after the actual test date. The report shall be submitted in a format acceptable to the Division and shall include such other information as the Division has requested. If test results are not received by the Division within the 30 days, the

Division may reject the results and require the test to be rescheduled unless a later submittal date has been approved in writing. A written report must be submitted for each test performed.

- (10) Notification of the cancellation of a test shall occur no less than 24 hours prior to the scheduled certification or compliance test starting time unless approved by the Division. Sending a cancellation notice by facsimile alone is not considered a cancellation. A representative of the gasoline dispensing facility must contact the Mobile & Area Source Program by telephone or in person and verify that the cancellation notice was received.
- (11) The amount of ullage space in the underground storage tanks shall be determined by physically measuring the amount of gasoline inside the tanks in inches using a measuring stick, tape measure, or other device that is long enough to reach the bottom of the tank.
- (12) Written reports submitted to the Division must include a description of any repairs that were necessary to allow the Stage I and/or Stage II vapor recovery system to pass the certification, recertification or compliance test. Initial failure results must also be included in the written reports. All repairs required must be completed and the Stage I and/or Stage II vapor recovery system re-tested within thirty (30) calendar days.

2.115.3 Test Methods

The following test methods shall be used in conducting Stage 1 and/or Stage II vapor recovery system certification, recertification or compliance tests, except as otherwise provided by specific California Air Resources Board (CARB) Executive Orders, unless prior written approval is given by the Division of any alternative test procedures, including the procedures of 2.115.4:

- (1) California Air Resources Board Vapor Recovery Test Procedure TP-201.3, Determination of 2 Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, for static pressure decay testing; and
- (2) Bay Area Air Quality Management District Source Test Procedure ST-27, Gasoline Dispensing Facility Dynamic Back Pressure, amended December 21, 1994, Alternate Method 4 for liquid blockage testing; and
- (3) California Air Resources Board Vapor Recovery Test Procedure TP-201.4, Dynamic Back Pressure, for dynamic back pressure testing; and
- (4) California Air Resources Board Vapor Recovery Test Procedure TP-201.5, Air to Liquid Volume Ratio, for air/liquid ratio testing.
- (5) California Air Resources Board Vapor Recovery Test Procedure TP-201.1B, Static Torque of rotatable Phase I Adaptors, to quantify the amount of static torque required to start the movement of a rotatable Phase I adaptor and to ensure 360-degree rotation.
- (6) California Air Resources Board Vapor Recovery Test Procedure TR-201.1C, Leak Rate of Drop Tube Overfill Protection Devices and Spill Container Drain Valves.

- (7) California Air Resources Board Vapor Recovery Test Procedure TR-201.1D, Leak Rate of Drop Tube Overfill Protection Devices and Spill Container Drain Valves.
- (8) California Air Resources Board Vapor Recovery Test Procedure TR-201.1E, Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves.

2.115.4 There are no approved alternative test procedures.

***NOTE:** All test schedules and test reports must be submitted to the Mobile & Area Sources Program at the following address and/or FAX number:

Mobile & Area Sources Program
4244 International Parkway, Suite 136
Atlanta, GA 30354
FAX: (404) 362-2534
Stage1_Tests@dnr.ga.gov